

Amendments to the Claims:

By this amendment, claims 58, 75, 83, 85, 86, 88, 90 and 91 have been amended; claims 82 and 87 have been cancelled; and new claims 93 and 94 added.

This listing of claims replaces all prior versions, and listing, of claims in the application.

Listing of Claims:

1-46. (Cancelled)

47. (Previously Presented) The display of claim 75 wherein the LEDs are aligned in a plurality of columns and rows.

48. (Cancelled)

49. (Previously Presented) The display of claim 75 wherein the first panel comprises a grid of LEDs and a reflective background.

50. (Previously Presented) The display of claim 75 wherein the first panel has a white background.

51. (Previously Presented) The display of claim 75 wherein the diffuser panel is made of polycarbonate.

52. (Cancelled)

53. (Previously Presented) The display of claim 75 further comprising a cover panel overlaying the display panel opposite the diffuser panel.

54. (Previously Presented) The display of claim 75 wherein the cover is made of glass or polycarbonate.

55. (Previously Presented) The apparatus of claim 58 wherein the display panel is an LCD display panel.

56. (Previously Presented) The apparatus of claim 55 wherein the display panel is part of a television.

57. (Previously Presented) The apparatus of claim 58 wherein the display panel is an organic display panel.

58. (Currently Amended) An illumination apparatus for displays comprising:
(a) a first panel comprising a grid of high intensity light point sources,
(b) a second panel comprising a ~~panel~~ plurality of Fresnel lenses, and
(c) a diffuser panel capable of softening and giving a uniform appearance to the light emitted by said first panel, the light passing directly from the point sources to the Fresnel lenses and, subsequently, to the diffuser panel, and

(d) a display panel;

the first panel, the second panel, and the diffuser panel providing a uniform high intensity backlighting to the display panel, wherein the panels, each defining a plane, overlay one another in the sequence stated with their planes parallel to one another.

59. (Previously Presented) The apparatus of claim 58 wherein the high intensity light point sources are LEDs.

60. (Previously Presented) The apparatus of claim 58 wherein the LEDs are aligned in a plurality of columns and rows.

61. (Previously Presented) The apparatus of claim 58 wherein the first panel comprises a grid of high intensity light sources and a reflective background.

62. (Previously Presented) The apparatus of claim 58 wherein the first panel comprises a grid of LEDs and a reflective background.

63. (Previously Presented) The apparatus of claim 58 wherein the first panel has a white background.

64. (Previously Presented) The apparatus of claim 58 wherein the diffuser panel is made of glass.

65. (Previously Presented) The apparatus of claim 58 wherein the diffuser panel is made of polycarbonate.

66. (Previously Presented) The apparatus of claim 58 further comprising a cover panel overlaying the display panel opposite the diffuser panel.

67. (Previously Presented) The apparatus of claim 66 wherein the cover is made of glass or polycarbonate.

68-74. (Cancelled)

75. (Currently Amended) An LCD or organic display having uniform high intensity backlighting wherein said backlighting is provided by an apparatus comprising:

(a) a first panel comprising a grid of high intensity light point sources,

(b) a second panel comprising a ~~panel~~ plurality of Fresnel lenses, and

(c) a diffuser panel capable of softening and giving a uniform appearance to the light emitted by said first panel, the light passing directly from the point sources to the Fresnel lenses and, subsequently, to the diffuser panel;

- wherein the panels, each defining a plane, overlay one another in the sequence stated with their planes parallel to one another.
76. (Previously Presented) The display of claim 75 wherein the high intensity light point sources are LEDs.
77. (Previously Presented) The display of claim 75 wherein the first panel comprises a grid of high intensity light sources and a reflective background.
78. (Previously Presented) The display of claim 75 wherein the first panel comprises a grid of LEDs and a white background.
79. (Previously Presented) The display of claim 75 wherein the diffuser panel is made of glass or polycarbonate.
80. (Previously Presented) The display of claim 75 wherein the display is an LCD display other than a television.
81. (Previously Presented) The display of claim 75 wherein the display is an LCD television.
82. (Cancelled)
83. (Currently Amended) The apparatus of claim ~~[[82]]~~ 58 wherein the ~~second panel comprises an array of Fresnel lenses~~ are in a side-by-side relationship.
84. (Previously Presented) The apparatus of claim 58 whose total thickness is less than 1.5 inches.
85. (Currently Amended) The apparatus of claim 58 wherein the thickness of the ~~LED~~ first panel and the display panel are each 0.5 inches thick.
86. (Currently Amended) The apparatus of claim ~~[[58]]~~ 66 wherein the thickness of the diffuser panel, the cover panel and the Fresnel lens panel are each 0.0625 inch ~~0.625 inches~~ thick.
87. (Cancelled)
88. (Currently Amended) The display of claim ~~[[87]]~~ 75 wherein the ~~second panel comprises an array of Fresnel lenses~~ are in a side-by-side relationship.

89. (Previously Presented) The display of claim 75 whose total thickness is less than 1.5 inches.
90. (Currently Amended) The display of claim 75 wherein the thickness of the LED first panel and the display panel are each 0.5 inches thick.
91. (Previously Presented) The display of claim 75 further comprising a cover panel overlaying the display panel opposite the diffuser panel and wherein the thickness of the diffuser panel, the cover panel and the Fresnel lens panel are each ~~0.625 inches~~ 0.0625 inch thick.
92. (Previously Presented) The apparatus of claim 55 wherein the display panel is not part of a television.
93. (New) A uniform high intensity backlighting apparatus comprising:
(a) a first panel comprising a grid of high intensity light point sources,
(b) a second panel comprising a plurality of Fresnel lenses in a side-by-side relationship, and
(c) a diffuser panel capable of softening and giving a uniform appearance to the light emitted by said first panel, the light passing directly from the point sources to the Fresnel lenses and, subsequently, to the diffuser panel; wherein the panels, each defining a plane, overlay one another in the sequence stated with their planes parallel to one another.
94. (New) The apparatus of claim 93 wherein the high intensity light point sources are LEDs.